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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/712,542	11/14/2000	Louis R. Degenaro	YOR9-2000-0616US1(8728-42	9232

7590 04/08/2004

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EXAMINER
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BANANKHAH, MAJID A

ART UNIT	PAPER NUMBER
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2127

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DATE MAILED: 04/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

09/712,542

**Applicant(s)**

DEGENARO ET AL.

**Examiner**

Majid A Banankhah

**Art Unit**

2127

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-19 is/are allowed.
- 6) ☒ Claim(s) 20-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

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1. This final office action in response to paper number 4, Amendment A that was filed January 14, 2004. Claims 1-23 are presented for examination. Applicants' argument with respect to claims 20-23 has been fully considered but they are not deemed to be persuasive.
2. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior Office action.
3. Applicant's argument overcomes the rejection of claims 1-19 in the previous Office Action dated October 21, 2003. Claims 1-19 are allowed.
4. Claims 20-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gopal et al. (U.S. Pat. No. 5,491,817, hereinafter Gopal).

Gopal teaches of at least one client and at least one server. This is inherently taught by Gopal because, by definition a client is a process, program or task that request a service provided by another program called a server and this is taught by Gopal in col. 8, lines 6-22 (*application 200 receives user requests and Communicates with other Network elements, and The control processor 260 also controls a format processor 270 which receives information retrieved from local directories and formats the information, as illustratively shown in FIG. 15, to be sent to requesting users*).

multiple copies of a same object under different context (col. 7, lines 37-39, and col. 8, lines 6-23, *instead inputs known directory information about the same object in one context and requests information in another desired context*); and

a context manager adapted to manage the different context (col. 8, lines 6-23, the linking component manages the contexts).

a cache adapted to allow multiple copies of a same object to be cached under different context; and

While the reference of Gopal teaches of storing directory entries on a memory, he fails to explicitly teach of "a cache adapted to allow multiple copies of a same object to be cached under different context". However, using cache is commonly known in the art at the time the invention was made because cache is a special high speed storage mechanism, which can be either a reserved section of main memory or an independent high speed storage device to use the same

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data over an over. Therefore, it would have been obvious for one ordinary skill in the art at the time the invention was made to use a part of the main memory as cache to use frequently used data to facilitate the manipulation of contexts by linking component.

Per claim 21-23, the system according to claim 20, wherein said context manager is a transaction manager, wherein said context manager is a transaction manager adapted to support lock-based, pessimistic concurrency control, wherein said context manager is a transaction manager adapted to support optimistic concurrency control (col. 6, lines 14-21, lines 26-33, users can access information in different context at the same time).

5. Applicant on page of his Remarks, second paragraph after the first partial paragraph argues:

With respect to claim 20, the Office Action has entirely failed to address any of its limitations, That is, the Office Action fails to address "at least one client," "at least one server," "a cache adapted to allow multiple copies of a same object to be cached under different contexts," and "a context manager adapted to manage the different contexts".

In response, it is submitted that, the overly broad limitations of claim 20 were addressed in the previous office action, however, Examiner addressing the limitations in claim 20 in a more detail and descriptive manner in this office action [section 4, above].

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6,026,428, filed August 13, 1997, issued to Hutchinson et al.

5,893,912, filed August 13, 1997, issued to Freund et al.

6,591,357, filed February 26, 2001, issued to Mirsky.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 C.F.R. § 1.136(a).

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY

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PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. § 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE application has been amended as follows:

ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Maid A. Banankhah** whose voice telephone number is (703) 308-6903. A voice mail service is also available at this number.

All response sent to U.S. Mail should be mailed to:

**Commissioner of Patent and Trademarks**  
**Washington, D.C. 20231**

**Hand-delivered responses should be brought to Crystal Park Two, 2021 Crystal Drive, Arlington, VA, Six Floor (Receptionist).** All hand-delivered responses will be handled and entered by the docketing personnel. Please do not hand deliver responses to the Examiner.

**All Formal or Official Faxes must be signed and sent to either (703) 308-9051 or (703) 308-9052.** Official faxes will be handled and entered by the docketing personnel. The date of entry will correspond to the actual FAX reception date unless that date is a Saturday, Sunday, or a Federal Holiday within the District of Columbia, in which case the official date of receipt will be the next business day. The application file will be promptly forwarded to the Examiner unless the application file must be sent to another area of the office, e.g., Finance Division for fee charging, etc.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9600.

Majid A. Banankhah

4/5/04

  
**MAJID BANANKHAH**  
**PRIMARY EXAMINER**